

JBC

www.jbctools.com

INSTRUCTION MANUAL



Hot Air Station

Ref. JNASE-A

Packing List

The following items are included:

JNASE Control Unit1 unit
Ref. JNASE-A (85V -265V)



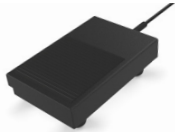
Stand1 unit
Ref. NA-SA



Heater hose set1 unit
Ref. NH-A



Pedal..... 1 unit
Ref. P-405



Pick & Place 1 unit
Ref. T260-A



Thermocouple Type K 1 unit
Ref. PH218



Bent Needles Set 1 unit
Ref. 0861660



Heating element.....1 unit
Ref. J115-010



Kapton Tape ... 1 unit
Ref. PH217



Power cord 1 unit
Ref. 0023715 (100V/120V)
0023714 (230V)



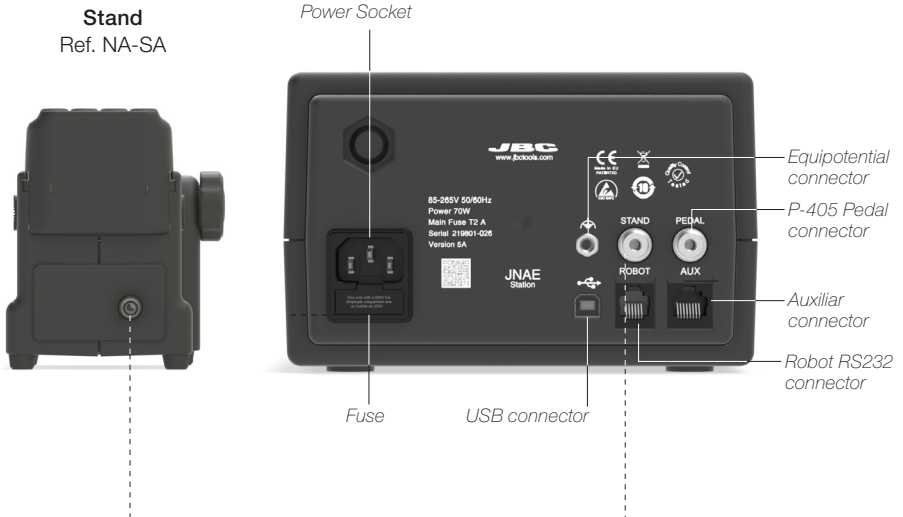
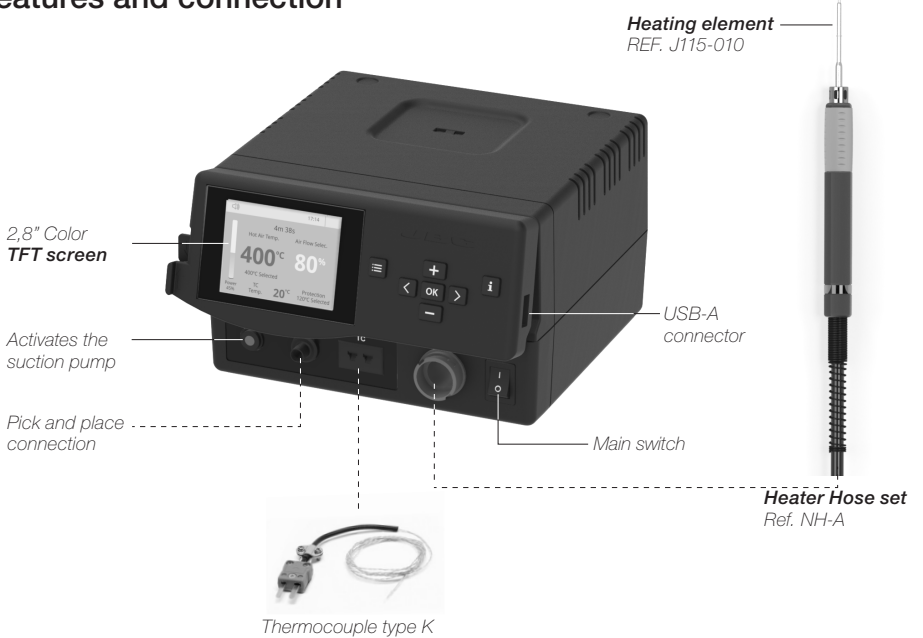
Cartridge holder 1 unit
Ref. SCH-A



Manual1 unit
Ref. 0024293



Features and connection



JNASE Work Screen

The JNASE offers an **intuitive user interface** which provides **quick access** to station parameters.
Default PIN: 0105

The screenshot shows the JNASE Work Screen with the following elements and labels:

- Status bar:** Located at the top, containing a speaker icon, the time 17:14, and a status indicator.
- Instant power supplied to heater:** A vertical bar graph on the left side.
- Current air temp.:** A large digital display showing 400°C.
- Air temp. selected:** A label below the current air temperature.
- Current External TC temp.:** A digital display showing 20°C.
- Hot Air Temp.:** A label above the current air temperature.
- Air Flow Selec.:** A label above the air flow percentage.
- Selected Air flow:** A large digital display showing 80%.
- Selected External Tc temp.:** A label above the external TC temperature.
- Power 45%:** A label at the bottom left of the screen.
- TC Temp. 20°C:** A label at the bottom center of the screen.
- Protection 120°C Selected:** A label at the bottom right of the screen.

The navigation keypad includes the following buttons:

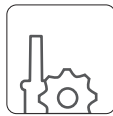
- Menu Options:** A button with a list icon (three horizontal lines).
- Station Information:** A button with an 'i' icon.
- Navigation:** A central cluster of buttons including a plus sign (+), minus sign (-), left arrow (<), right arrow (>), and an OK button.

Menu Options



Set the station parameters

Station



Set the tool parameters

Tools



Display the hours worked in each cycle

Counters



It is possible to choose the language from a list.

Language



Allows you to carry out an overall station reset restoring all the parameters to their default values.

Reset

Troubleshooting

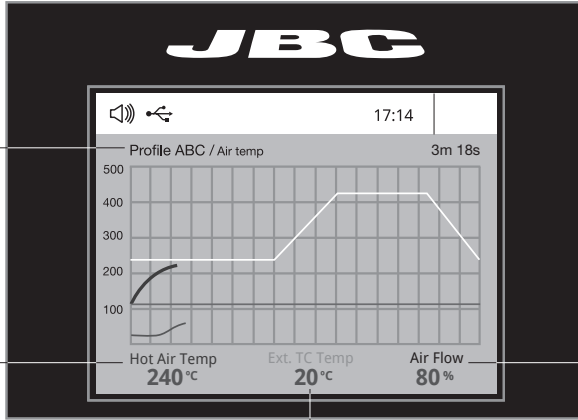
Station troubleshooting available on the product page at www.jbctools.com

Advanced functionalities



Profiles

In this mode you can **set up or edit** as many as 25 profiles of temperature and air flow.



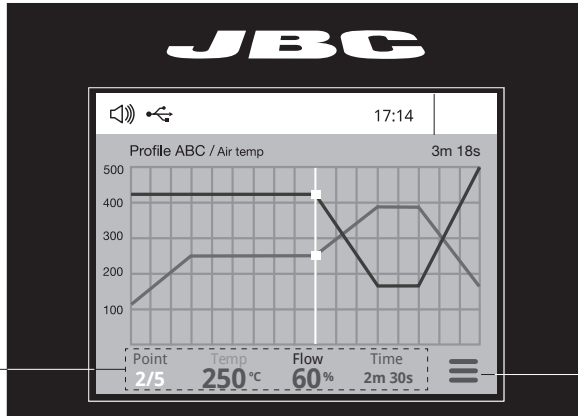
Profile name

Current air temp.

Current air flow

Current External TC temp.

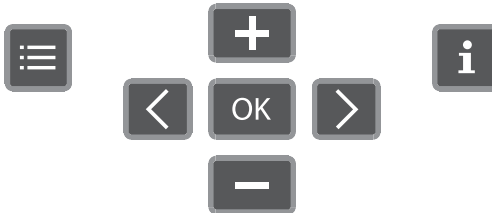
Edit Mode



Data for these points

Menu Options

- Add point
- Delete point
- Load profile
- Save profile
- Exit





Graphics

By pressing **Graphics** in the main MENU, temperature and power figures in real time are displayed. This helps you decide which tip to use to obtain the best quality solder joints.



Power (%)
Temperature

External temp.



Files

Export graphics

Insert a USB flash drive into the USB-A connector to save your soldering process in csv format.



Update

Station update

Download the JBC Update File from www.jbctools.com/software.html Insert the USB flash drive with the file downloaded to the station.



System notifications

The following icons will be displayed on the screen's status bar.



USB flash drive is connected.



Station software update.
Press INFO to start the process.



Station is controlled by a PC.



Warning.
Press INFO for failure description.



Station is controlled by a robot.



Error.
Press INFO for failure description, the type of error and how to proceed.

Pick & Place

This tool helps you place and remove SMDs of any size easily thanks to the suction pump.

Pick & Place
Ref. T260-A



Bent Needles Set
Ref. 0861660

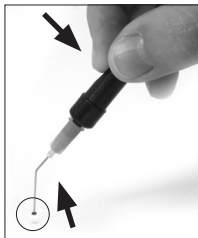


Operation

Choose the needle and the suction cup that best fits the component and start as follows:

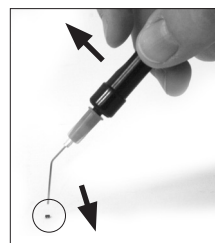


1. Suction



Once the suction is activated, cover the pen hole with your finger and lift off the component.

2. Release



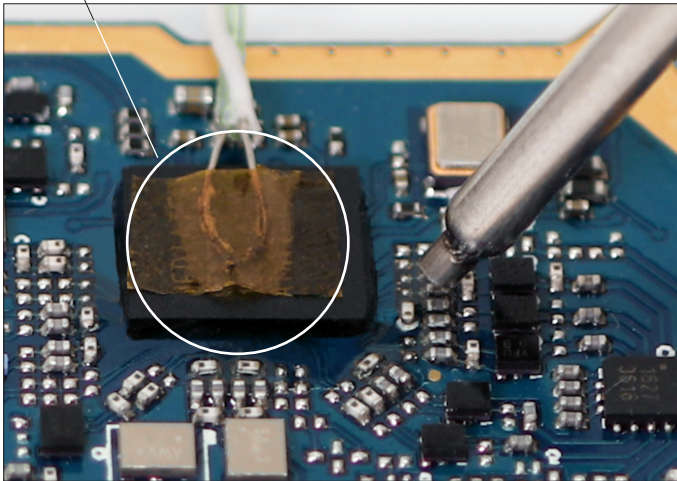
Lift your finger to release the component.

Using the Thermocouple type K

Connect a TC type K (PH218) to the station and use it as a protection sensor. You can define its use mode by means of the “Ext TC mode” option in the “Tool” menu.

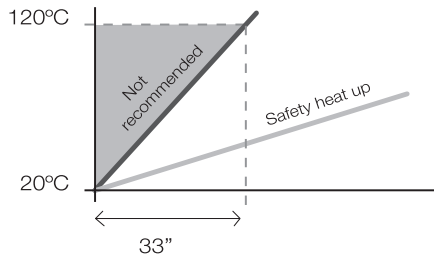
Protection: the station cuts the air supply off when the External Thermocouple (TC) temperature is reached.

Fix the TC with Kapton Tape (Ref. PH217) as near as possible to the component being worked on. If Kapton tape is not ESD you must use an ionizer.



IPC* does not recommend exceeding ramp-up rates over 3-4°C / sec. (5-7°F / sec) so as to reduce the risk of thermal stress on the PCB.

* IPC was founded in the U.S. in 1957 as the Institute for Printed Circuits.



Maintenance

Before carrying out maintenance, always allow the equipment to cool.

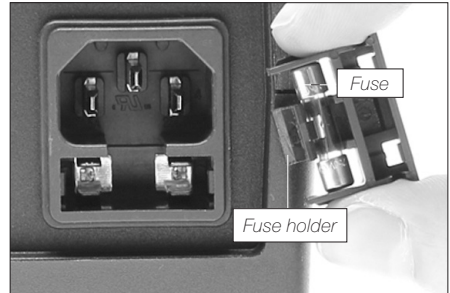
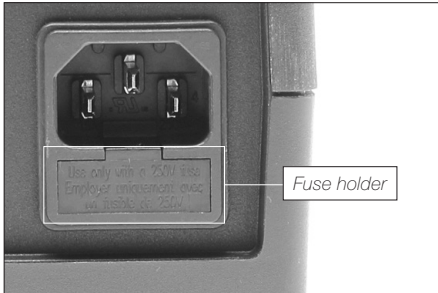
- Clean the station screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.
- Periodically check that the metal parts of the tool and stand are clean so that the station can detect the tool status.
- Periodically check all cables and tubes.
- Replace a blown fuse as follows:

Clean periodically



1. Pull off the fuse holder and remove the fuse. If necessary use a tool to lever it off.

2. Insert the new fuse into the fuse holder and return it to the station.



- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

Safety



It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Make sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do not work on electrically live parts.
- The tool should be placed in the stand when not in use to turn off the hot air. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite.
- Avoid the contact of flux with skin or eyes to prevent irritation
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.

有害物质含量表

产品中有害物质的名称及含量

部件名称	有害物质					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
烙铁头	○	○	○	○	○	○
手柄	○	○	○	○	○	○
电源线	○	○	○	○	○	○
主机	○	○	○	○	○	○
电源插座	○	○	○	○	○	○
保险丝	○	○	○	○	○	○
主开关	○	○	○	○	○	○
电位连接	X	○	○	○	○	○
变压器	○	○	○	○	○	○
线路板	X	○	○	○	○	○

○ 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。
X 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。

Specifications

JNASE-A 85V - 265V 50/60Hz. Main fuse: T2A.

- Temperature selection: Room temp. / 150 - 450 °C (300 - 840 °F)
- Nominal power: 70W
- Cool mode: T off. Used to blow air at room temperature
- Ambient operating temp.: 10 - 50 °C (50 - 122 °F)
- Air flow regulation: 0,15 - 1 SLPM
- Vacuum: 53% / 397 mmHg / 15,6 inHg
- Connectors: USB-A / USB-B
RJ12 for RS232
Pedal / Stand
- Control Unit Weight: 1,346 kg (2.96 lb)
- Control Unit Dimensions: 170 x 180 x 110 mm (6.7 x 7.1 x 4.3 in)

- Total Package: 370 x 370 x 200 mm / 4,062 kg
14.6 x 14.6 x 7.9 in / 8.95 lb

Complies with CE standards.
ESD protected.

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

Get 1 extra year JBC warranty by registering here:

**<https://www.jbctools.com/productregistration/>
within 30 days of purchase.**



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.



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